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DATE: Friday, August 05, 2005

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L4	estrogen receptor ligand binding domain and (agonist or diethylstilbestrol or moxestrol or mesohexestrol or THC or ddt or zearalenone and kepone) same (activator or grip1)	5
<input type="checkbox"/>	L3	estrogen receptor ligand binding domain and (agonist or diethylstilbestrol or moxestrol or mesohexestrol or THC or ddt or zearalenone and kepone) same (activator or grip1)	5
<input type="checkbox"/>	L2	estrogen receptor ligand binding domain same (agonist or diethylstilbestrol or moxestrol or mesohexestrol or THC or ddt or zearalenone and kepone) same (activator or grip1)	0
<input type="checkbox"/>	L1	estrogen receptor ligand binding domain same crystal\$8	7

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040219523 A1

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L4: Entry 1 of 5

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040219523

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040219523 A1

TITLE: Nucleic acid sensor molecules and methods of using same

PUBLICATION-DATE: November 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stanton, Martin	Stow	MA	US	
Epstein, David	Belmont	MA	US	
Hamaguchi, Nobuko	Framingham	MA	US	
Kurz, Markus	Newton	MA	US	
Keefe, Tony	Cambridge	MA	US	
Wilson, Charles	Concord	MA	US	
Grate, Dilara	Waltham	MA	US	
Marshall, Kristin A.	Arlington	MA	US	
McCauley, Thomas G.	Somerville	MA	US	
Kurz, Jeffrey C.	Somerville	MA	US	

US-CL-CURRENT: 435/6; 536/23.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

2. Document ID: US 20030087239 A1

L4: Entry 2 of 5

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030087239

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030087239 A1

TITLE: Target activated nucleic acid biosensor and methods of using same

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stanton, Marty	Stow	MA	US	
Epstein, David	Belmont	MA	US	
Hamaguchi, Nobuko	Framingham	MA	US	

US-CL-CURRENT: 435/6; 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn De
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 3. Document ID: US 6410245 B1

L4: Entry 3 of 5

File: USPT

Jun 25, 2002

US-PAT-NO: 6410245

DOCUMENT-IDENTIFIER: US 6410245 B1

TITLE: Compositions and methods for detecting ligand-dependent nuclear receptor and coactivator interactions

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Northrop; Jeffrey P.	Redwood City	CA		
Hart; Charles P.	Mountain View	CA		
Schatz; Peter J.	Mountain View	CA		

US-CL-CURRENT: 435/7.1; 424/141.1, 435/69.1, 435/7.2, 436/518, 536/23.1, 536/23.5

ABSTRACT:

The invention provides methods for identifying agents that are ligands for nuclear receptors. The methods include conducting multiplexed assays utilizing positive hybrid systems, reverse hybrid systems, direct interaction assays and other assays to screen for ligands having activity with a receptor of interest. The methods can be performed in various multiplexing formats to produce a profile that can be used to categorize a test ligand relative to known agonists and antagonists.

17 Claims, 20 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn De
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 4. Document ID: US 6266622 B1

L4: Entry 4 of 5

File: USPT

Jul 24, 2001

US-PAT-NO: 6266622

DOCUMENT-IDENTIFIER: US 6266622 B1

TITLE: Nuclear receptor ligands and ligand binding domains

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scanlan; Thomas S.	San Francisco	CA		
Baxter; John D.	San Francisco	CA		
Fletterick; Robert J.	San Francisco	CA		
Wagner; Richard L.	San Francisco	CA		
Kushner; Peter J.	San Francisco	CA		
Apriletti; James J.	Berkeley	CA		
West; Brian L.	San Francisco	CA		
Shiau; Andrew K.	San Francisco	CA		

US-CL-CURRENT: 702/22; 530/350, 702/19, 702/20

ABSTRACT:

The present invention provides new methods, particularly computational methods, and compositions for the generation of nuclear receptor synthetic ligands based on the three dimensional structure of nuclear receptors, particularly the thyroid receptor (herein referred to as "TR"). Also provided are crystals, nuclear receptor synthetic ligands, and related methods.

28 Claims, 52 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 50

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5. Document ID: US 6236946 B1

L4: Entry 5 of 5

File: USPT

May 22, 2001

US-PAT-NO: 6236946

DOCUMENT-IDENTIFIER: US 6236946 B1

TITLE: Nuclear receptor ligands and ligand binding domains

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scanlan; Thomas S.	San Francisco	CA	94122	
Baxter; John D.	San Francisco	CA	94127	
Fletterick; Robert J.	San Francisco	CA	94131	
Wagner; Richard L.	San Francisco	CA	94117	

Kushner; Peter J.	San Francisco	CA	94122
Apriletti; James	Berkeley	CA	94702
West; Brian	San Francisco	CA	94110
Shiau; Andrew K.	San Francisco	CA	94122

US-CL-CURRENT: 702/22; 530/350, 702/19, 702/20

ABSTRACT:

The present invention provides new methods, particularly computational methods, and compositions for the generation of nuclear receptor synthetic ligands based on the three dimensional structure of nuclear receptors, particularly the thyroid receptor (herein referred to as "TR"). Also provided are crystals, nuclear receptor synthetic ligands, and related methods.

22 Claims, 231 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 229

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Terms	Documents
estrogen receptor ligand binding domain and (agonist or diethylstilbestrol or moxestrol or mesohexestrol or THC or ddt or zearalenone and kepone) same (activator or grip1)	5

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1. Document ID: US 20040002484 A1

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L1: Entry 1 of 7

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002484

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002484 A1

TITLE: Novel steroidal antiestrogens and antiandrogens and uses thereof

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hanson, Robert N	Newton	MA	US	
Friel, Carolyn	Boston	MA	US	
Lee, Choon Young	Boston	MA	US	

US-CL-CURRENT: 514/179; 514/176, 540/117, 552/553

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn	Def
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2. Document ID: US 20030032779 A1

L1: Entry 2 of 7

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030032779

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030032779 A1

TITLE: Estrogen receptor ligands

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ohman, Lars	Stockholm		SE	
Bonn, Tomas	Huddinge		SE	
Carlquist, Mats	Spanga		SE	
Engstrom, Owe	Nacka		SE	
Goede, Patrick	Tumba		SE	

Hedfors, Asa	Huddinge	SE
Holmgren, Erik	Gutavsberg	SE
Koehler, Konrad F.	Huddinge	SE
Brzozowski, Andrzej M.	York	GB
Pike, Ashley C.W.	York	GB
Hubbard, Roderick E.	York	GB

US-CL-CURRENT: 530/350

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

 3. Document ID: US 6723858 B2

L1: Entry 3 of 7

File: USPT

Apr 20, 2004

US-PAT-NO: 6723858

DOCUMENT-IDENTIFIER: US 6723858 B2

TITLE: Estrogenic compounds as anti-mitotic agents

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
D'Amato; Robert John	Lancaster	PA		
Folkman; Moses Judah	Brookline	MA		

US-CL-CURRENT: 549/228; 549/346, 549/354, 549/381, 549/382, 549/383, 549/416,
549/417, 549/419

ABSTRACT:

The application discloses methods of treating mammalian diseases characterized by abnormal cell mitosis by administering estradiol derivatives including those comprising colchicine or combretastatin A-4 structural motifs of the general formulae found below in a dosage sufficient to inhibit cell mitosis. The application discloses novel compounds used in the methods.

15 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

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 4. Document ID: US 6476196 B1

L1: Entry 4 of 7

File: USPT

Nov 5, 2002

US-PAT-NO: 6476196

DOCUMENT-IDENTIFIER: US 6476196 B1

**** See image for Certificate of Correction ****

TITLE: Estrogen receptor ligands

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ljunggren; Jan	Solna			SE
Thorsell; Ann-Gerd	Stockholm			SE
Engstrom; Owe	Nacka			SE
Bonn; Tomas	Huddinge			SE
Carlquist; Mats	Spanga			SE
Brzozowski; Andrzej	York			GB
Pike; Ashley	York			GB
Hubbard; Roderick	York			GB

US-CL-CURRENT: 530/350; 530/412, 530/418, 530/419

ABSTRACT:

The present invention is directed to crystals of ER. β . ligand binding domain complexed with (1) N-(n-butyl)-11-[3,17. β .-dihydroxyestra-1,3,5(10)-trien-7. α .-yl]N-me thylundecanamide; estradiol and a peptide comprising the amino acid sequence LXXLL; or 17-epiestriol and a peptide comprising the amino acid sequence LXXLL.

9 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequencies	Attachments	Claims	KMC	Draw. De
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5. Document ID: US 6266622 B1

L1: Entry 5 of 7

File: USPT

Jul 24, 2001

US-PAT-NO: 6266622

DOCUMENT-IDENTIFIER: US 6266622 B1

TITLE: Nuclear receptor ligands and ligand binding domains

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scanlan; Thomas S.	San Francisco	CA		
Baxter; John D.	San Francisco	CA		
Fletterick; Robert J.	San Francisco	CA		
Wagner; Richard L.	San Francisco	CA		

Kushner; Peter J.	San Francisco	CA
Apriletti; James J.	Berkeley	CA
West; Brian L.	San Francisco	CA
Shiau; Andrew K.	San Francisco	CA

US-CL-CURRENT: 702/22; 530/350, 702/19, 702/20

ABSTRACT:

The present invention provides new methods, particularly computational methods, and compositions for the generation of nuclear receptor synthetic ligands based on the three dimensional structure of nuclear receptors, particularly the thyroid receptor (herein referred to as "TR"). Also provided are crystals, nuclear receptor synthetic ligands, and related methods.

28 Claims, 52 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 50

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6. Document ID: US 6236946 B1

L1: Entry 6 of 7

File: USPT

May 22, 2001

US-PAT-NO: 6236946

DOCUMENT-IDENTIFIER: US 6236946 B1

TITLE: Nuclear receptor ligands and ligand binding domains

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scanlan; Thomas S.	San Francisco	CA	94122	
Baxter; John D.	San Francisco	CA	94127	
Fletterick; Robert J.	San Francisco	CA	94131	
Wagner; Richard L.	San Francisco	CA	94117	
Kushner; Peter J.	San Francisco	CA	94122	
Apriletti; James	Berkeley	CA	94702	
West; Brian	San Francisco	CA	94110	
Shiau; Andrew K.	San Francisco	CA	94122	

US-CL-CURRENT: 702/22; 530/350, 702/19, 702/20

ABSTRACT:

The present invention provides new methods, particularly computational methods, and compositions for the generation of nuclear receptor synthetic ligands based on the three dimensional structure of nuclear receptors, particularly the thyroid receptor (herein referred to as "TR"). Also provided are crystals, nuclear receptor

synthetic ligands, and related methods.

22 Claims, 231 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 229

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7. Document ID: US 6228990 B1

L1: Entry 7 of 7

File: USPT

May 8, 2001

US-PAT-NO: 6228990

DOCUMENT-IDENTIFIER: US 6228990 B1

TITLE: Estrogen receptor ligands

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ljunggren; Jan	Solna			SE
Thorsell; Ann-Gerd	Stockholm			SE
Engstrom; Owe	Nacka			SE
Bonn; Tomas	Huddinge			SE
Carlquist; Mats	Spanga			SE
Brzozowski; Andrzej M.	York			GB
Pike; Ashley C. W.	York			GB
Hubbard; Roderick E.	York			GB

US-CL-CURRENT: 530/350; 530/412

ABSTRACT:

The application relates to a crystal comprising at least 150 amino acid residues of the estrogen receptor-.beta. (ER.beta.) ligand binding domain complexed with a ligand which is an antagonist or a partial agonist.

15 Claims, 18 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

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estrogen receptor ligand binding domain same crystal\$8	7
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